

WHAT WE CLAIM IS:

1. A transformer including:

first and second transformer windings,

5 an iron core carrying said first and second
transformer windings,

an enclosure housing the iron core and first and
second transformer windings,

10 first and second electrical connectors in electrical
communication with the first transformer winding, and

a second enclosure encasing the electrical
connectors and portion of the first transformer winding
in electrical communication with the connectors .

15 2. A transformer as claimed in claim 1 wherein the
second enclosure is made of a fire retardant material.

3. A transformer as claimed in claim 1 further
including a electrical pin assembly, with first and
20 second pins, in removable communication with the first
and second electrical connectors, said pin assembly
disposed to project from the outer surface of the
enclosure to facilitate connection of the transformer to
an electrical wall outlet.

25

4. A transformer as claimed in claim 1 further
including a winding bobbin that forms part of the second
enclosure.

5. A battery charger including:

first and second transformer windings ,

an iron core carrying said first and second

5 transformer windings ,

an enclosure housing the iron core and first and

second transformer windings ,

an electrical pin assembly with first and second

pins in electrical connection with the first transformer

10 winding , and

a second enclosure made of fire retardant material

encasing a portion of the electrical pin assembly and the

first transformer winding in connection with the

electrical pin assembly .

15

6. A battery charger as claimed in claim 5 wherein the

first winding is formed on a bobbin that forms part of

the second enclosure.